

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A laminated structure for shielding against solar radiation ~~sandwiching~~, comprising:

an intermediate layer containing fine particles functioning to block solar radiation sandwiched between two ~~pieces of sheets~~ for laminating selected from the group consisting of sheet glass, plastic, ~~or and~~ plastic containing said fine particles functioning to block solar radiation,

wherein said fine particles having the function to block solar radiation comprise ~~fine particles of tungsten oxide expressed by a general formula $WyOz$ where W is tungsten, O is oxygen, satisfying $2.0 < z/y < 3.0$, and/or composite tungsten oxide fine particles expressed by the general formula $MxWyOz$~~

where

M is at least one or more elements ~~element~~ selected from the group consisting of H, He, alkali metals, alkaline-earth metals, rare-earth metals, Mg, Zr, Cr, Mn, Fe, Ru, Co, Rh, Ir, Ni, Pd, Pt, Cu, Ag, Au, Zn, Cd, Al, Ga, In, Tl, Si, Ge, Sn, Pb, Sb, B, F, P, S, Se, Br, Te, Ti, Nb, V, Mo, Ta, and Re,

W is tungsten,

O is oxygen, and

~~satisfying the formula~~ satisfies $0.001 \leq x/y \leq 1$, and $2.0 < z/y \leq 3.0$.

2. (Currently Amended) A laminated structure for shielding against solar radiation, ~~sandwiching~~ comprising:

an intermediate layer not containing fine particles functioning to block solar radiation, radiation sandwiched between a plastic sheet to be laminated containing fine

particles functioning to block solar radiation, and a sheet to be laminated selected from the group consisting of sheet glass, plastic, ~~or~~ and plastic containing said fine particles functioning to block solar radiation,

wherein said fine particles functioning to block solar radiation comprise ~~fine particles of tungsten oxide expressed by the general formula $WyOz$ where W is tungsten, O is oxygen, satisfying $2.0 < z/y < 3.0$, and/or composite tungsten oxide fine particles expressed by the general formula $MxWyOz$~~

where

M is at least one or more elements ~~element~~ selected from the group consisting of H, He, alkali metals, alkaline-earth metals, rare-earth metals, Mg, Zr, Cr, Mn, Fe, Ru, Co, Rh, Ir, Ni, Pd, Pt, Cu, Ag, Au, Zn, Cd, Al, Ga, In, Tl, Si, Ge, Sn, Pb, Sb, B, F, P, S, Se, Br, Te, Ti, Nb, V, Mo, Ta, and Re,

W is tungsten,

O is oxygen, and

~~satisfying the formula satisfies~~ $0.001 \leq x/y \leq 1$, and $2.0 < z/y \leq 3.0$.

3. (Currently Amended) The laminated structure for shielding against solar radiation according to claim 1,

wherein the diameter of said fine particles functioning to block solar radiation is not less than 1 nm and not more than 800 nm.

4. (Currently Amended) The laminated structure for shielding against solar radiation according to claim 1, wherein

the powder color in a $L^*a^*b^*$ colorimetric system of ~~fine particles of said tungsten oxide and/or fine particles of said composite tungsten oxide~~ fine particles is between 25 to 80 for L^* , -10 to 10 for a^* , and -15 to 15 for b^* .

5. (Currently Amended) The laminated structure for shielding against solar radiation according to claim 1,

wherein ~~fine particles functioning to block solar radiation includes fine particles of said~~ composite tungsten oxide having fine particles have a hexagonal or monoclinic crystal structure.

6. (Currently Amended) The laminated structure for shielding against solar radiation according to claim 1,

wherein ~~as the said~~ fine particles functioning to block solar ~~radiation, radiation~~ are a mixture of ~~the fine particles is used, such as:~~

~~fine particles of said tungsten oxide and/or fine particles of said composite tungsten oxide~~ fine particles; and

~~fine particles of at least one kind among one or more types of fine particles~~ selected from the group consisting of

fine particles of oxides, said fine particles of oxides comprise two or more elements selected from the group consisting of Sb, V, Nb, Ta, W, Zr, F, Zn, Al, Ti, Pb, Ga, Re, Ru, P, Ge, In, Sn, La, Ce, Pr, Nd, Gd, Tb, Dy, Ho, Y, Sm, Eu, Er, Tm, Tb, Lu, Sr, and Ca

fine particles of composite oxides, and

fine particles of borides, ~~formed by two or more elements selected from the group consisting of Sb, V, Nb, Ta, W, Zr, F, Zn, Al, Ti, Pb, Ga, Re, Ru, P, Ge, In, Sn, La, Ce, Pr, Nd, Gd, Tb, Dy, Ho, Y, Sm, Eu, Er, Tm, Tb, Lu, Sr, Ca.~~

7. (Currently Amended) The laminated structure for shielding against solar radiation according to claim 6, wherein the mixing ratio of ~~the mixture of said fine particles of tungsten oxide and/or fine particles of the said~~ composite tungsten oxide with fine particles to said other ~~fine particles of at least one kind among fine particles of oxides, fine particles of composite oxides, and fine particles of borides, formed by two or more elements selected~~

~~from the group consisting of Sb, V, Nb, Ta, W, Zr, F, Zn, Al, Ti, Pb, Ga, Re, Ru, P, Ge, In, Sn, La, Ce, Pr, Nd, Gd, Tb, Dy, Ho, Y, Sm, Eu, Er, Tm, Tb, Lu, Sr, Ca, is from 95:5 to 5:95.~~

8. (Previously Presented) The laminated structure for shielding against solar radiation according claim 1, wherein said plastic is a sheet or film made of polycarbonate resin, acrylic resin, or polyethylene terephthalate resin.

9. (Previously Presented) The laminated structure for shielding against solar radiation according to claim 1, wherein said intermediate layer has an intermediate film, in which said fine particles functioning to block solar radiation are dispersed.

10. (Currently Amended) The laminated structure for shielding against solar radiation according to claim 1, wherein

said intermediate layer has an intermediate film ~~stacked by~~ having two or more layers, and

~~at least in one layer of which~~ said fine particles functioning to block solar radiation are dispersed in at least one layer of said intermediate film.

11. (Currently Amended) The laminated structure for shielding against solar radiation according to claim 1, wherein said intermediate layer ~~includes~~ comprises

a solar radiation blocking layer containing said fine particles functioning to block solar radiation ~~and, said solar radiation blocking layer~~ formed on the inner surface of at least ~~either one of said two sheets to be laminated for laminating~~ selected from said ~~sheet-glass-sheet glass~~ and said plastic, and

an intermediate film ~~overlapping with the~~ on said solar radiation blocking layer.

12. (Currently Amended) The laminated structure for shielding against solar radiation according to claim 1, wherein said intermediate layer ~~is formed in such a way that~~ comprises a solar radiation blocking ductile film substrate having a solar radiation blocking

layer containing said fine particles functioning to block solar radiation formed on one side or inside of a resin film substrate having ductility, ~~is laminated between and~~ two or more stacked layers of intermediate films between which said solar radiation blocking ductile film substrate is laminated.

13. (Currently Amended) The laminated structure for shielding against solar radiation according to claim 1,

wherein said intermediate layer comprises:

an intermediate film or two or more stacked layers of intermediate films, and

a layered body in which an adhesive layer, ~~the a~~ solar radiation blocking layer containing said fine particles functioning to block solar radiation, and a peeling layer are stacked in this order,

wherein ~~the said~~ adhesive layer in said layered body ~~adheres on~~ is adhered on the inner surface of one ~~sheet to be laminated of said two sheets for laminating~~ selected from said ~~sheet glass or sheet glass and said plastic~~, and

wherein the peeling layer of said layered body is adhered ~~with on~~ on said intermediate film or ~~two or more layered intermediate film on one of said two or more~~ stacked layers of intermediate films.

14. (Currently Amended) The laminated structure for shielding against solar radiation according to claim 2, wherein said intermediate layer ~~includes~~ comprises an intermediate film not containing said fine particles functioning to block solar radiation or two or more layered intermediate films not containing said fine particles functioning to block solar radiation.

15. (Currently Amended) The laminated structure for shielding against solar radiation according to claim 9, wherein ~~said a~~ resin to form said intermediate film is vinyl ~~base~~-resin.

16. (Currently Amended) The laminated structure for shielding against solar radiation according to claim 15, wherein said vinyl ~~base~~-resin to form said intermediate film is polyvinyl butyral or ethylene-acetic acid vinyl copolymer.